

Form PTO-1449
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**U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
040447-0236

SERIAL NO.
To be assigned

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Koichi HORIKAWA

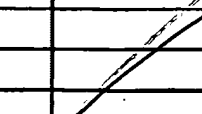
FILING DATE

July 12, 2001

GROUP ART UNIT

2/63, unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
<i>R</i>	A1	5,909,446	06/01/1999	Horioka et al.	370	469	
<i>R</i>	A2	6,047,329	04/04/2000	Horioka et al.	709	238	
<i>R</i>	A3	6,172,991 B1	01/09/2001	Mori	370	474	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
2	A4	2845207	03/08/1998	Japan				Abst.
2	A5	2845208	10/30/1998	Japan				Abst.
2	A6	3000968	11/12/1999	Japan				Abst.
2	A7	11-289345	10/19/1999	Japan				Abst.
2	A8	11-215156	08/08/1999	Japan				Abst.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

[illegible]

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.